



2017-18

SM3H Limits and End Behaviors

Name _____ Date _____ Period _____

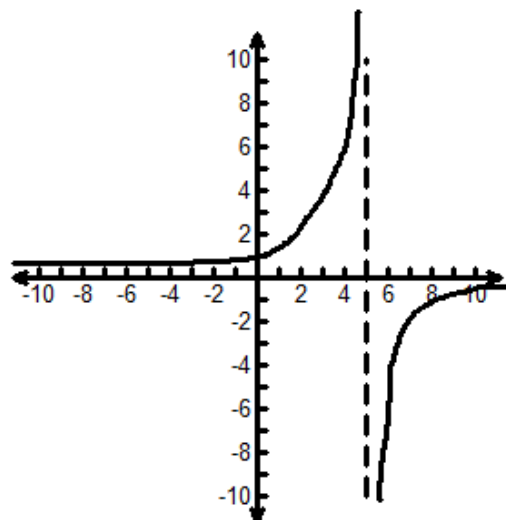
Evaluate the limit based on the graph of f shown.

1. $\lim_{x \rightarrow 5^+} f(x) =$

$\lim_{x \rightarrow 5^-} f(x) =$

$\lim_{x \rightarrow \infty} f(x) =$

$\lim_{x \rightarrow -\infty} f(x) =$



2. $\lim_{x \rightarrow -2^+} f(x) =$

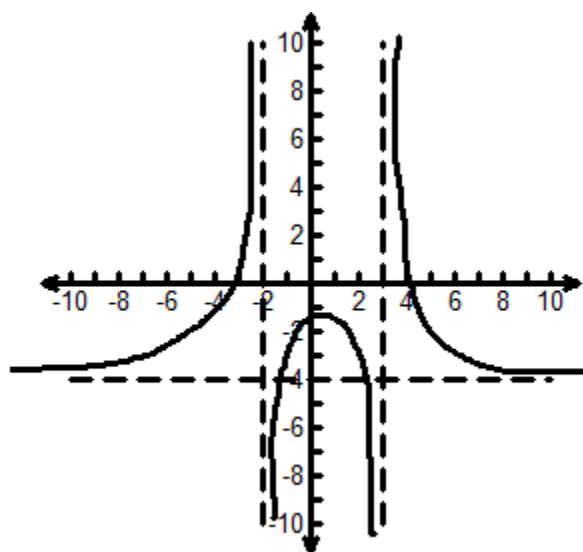
$\lim_{x \rightarrow -2^-} f(x) =$

$\lim_{x \rightarrow \infty} f(x) =$

$\lim_{x \rightarrow -\infty} f(x) =$

$\lim_{x \rightarrow 3^+} f(x) =$

$\lim_{x \rightarrow 3^-} f(x) =$

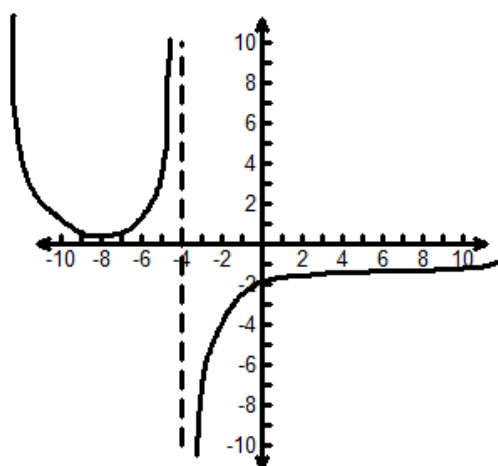


3. $\lim_{x \rightarrow -4^+} f(x) =$

$\lim_{x \rightarrow -4^-} f(x) =$

$\lim_{x \rightarrow \infty} f(x) =$

$\lim_{x \rightarrow -\infty} f(x) =$



4. $\lim_{x \rightarrow 0^+} f(x) =$

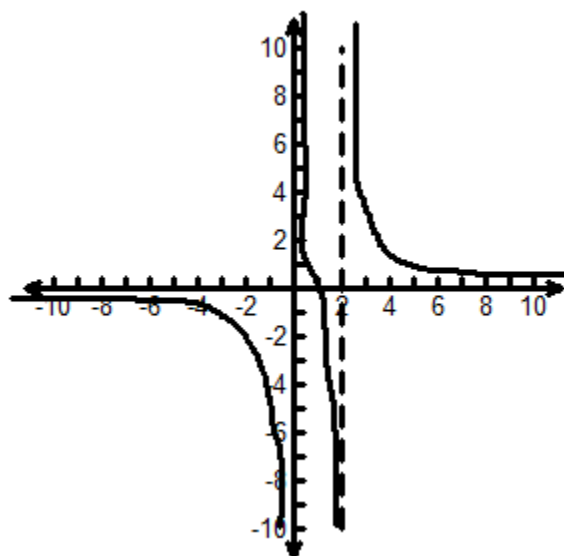
$\lim_{x \rightarrow 0^-} f(x) =$

$\lim_{x \rightarrow \infty} f(x) =$

$\lim_{x \rightarrow -\infty} f(x) =$

$\lim_{x \rightarrow 2^+} f(x) =$

$\lim_{x \rightarrow 2^-} f(x) =$



5. Write the limits in limit notation.

